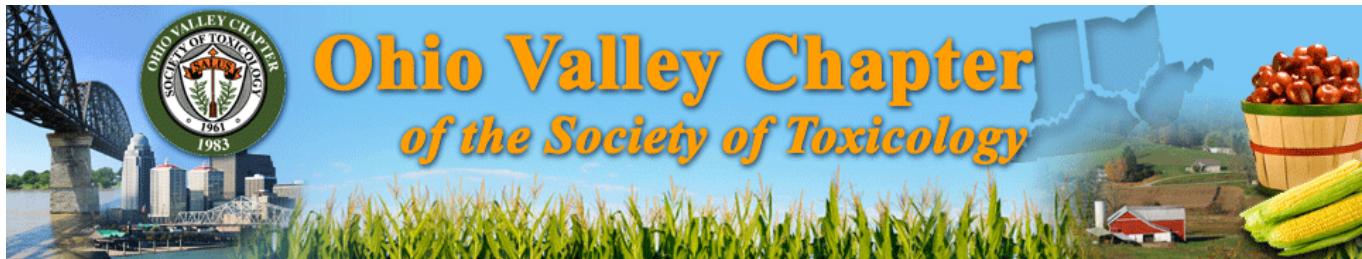


# PROGRAM

## Annual Meeting Ohio Valley Society of Toxicology 2025



Friday, November 14, 2025

University of Louisville  
Clinical Translational Research Building (CTR)  
Room 101 - 102  
505 S Hancock St, Louisville, KY 40202



# Ohio Valley Chapter

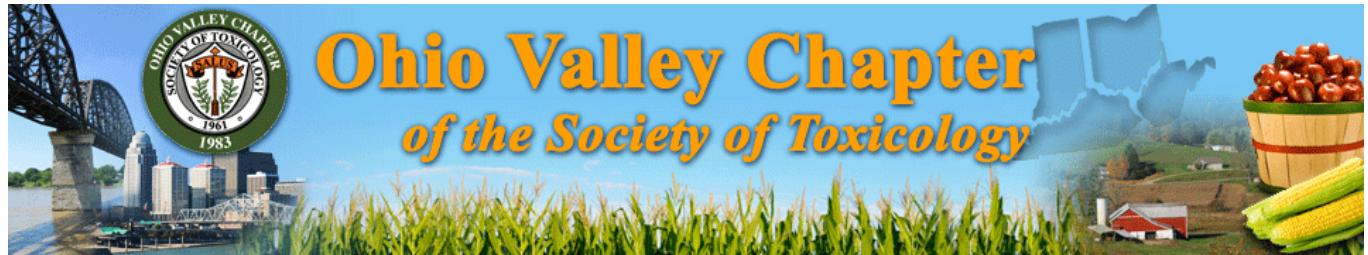
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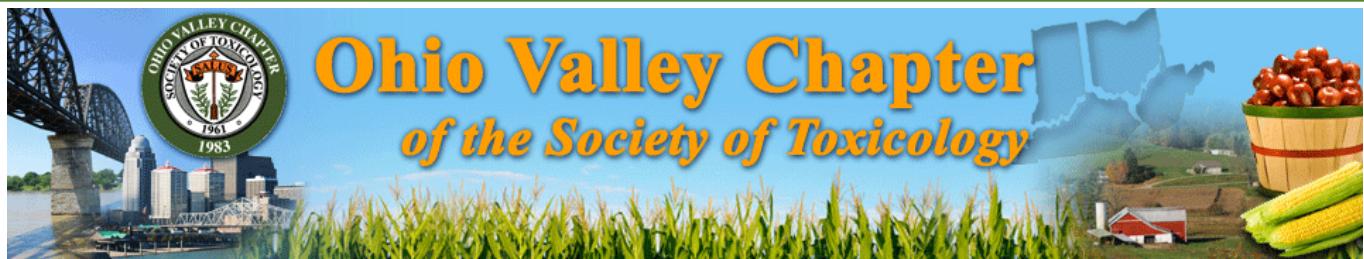
## TABLE OF CONTENTS

<b>Agenda</b> .....	4
<b>Visitor Information</b>	
Meeting Site.....	5
Parking.....	5
Hotels.....	6
<b>Presenters</b> .....	7
Early-Stage Investigator Platform Presentation.....	8
Doctoral Student Platform Presentations.....	9
Postdoctoral Trainee Platform Presentations.....	10
Big Picture Science.....	11-12
Keynote Presentation.....	13
<b>Acknowledgement of Sponsors</b> .....	2,14



# Ohio Valley Chapter

## of the Society of Toxicology



### OVSOT Annual Meeting Agenda

Friday, November 14, 2025

7:30 - 8:30 am	<b>Registration, Breakfast, Check-in, and Poster Set-up</b> CTR Building Lobby
8:30 - 8:40 am	<b>Welcoming Remarks</b> – CTR 101/102 J. Christopher States, PhD, Vice Dean for Research UofL School of Medicine (Moderator: Sandra Diven)
8:40 - 8:45 am	<b>Meeting Logistics &amp; Acknowledgement of Sponsors</b> – CTR 101/102 Sandra Diven, OVSOT President
8:45 - 9:15 am	<b>Featured Speaker: Idoia Meaza Isusi, PhD</b> – CTR 101/102 Early-Stage Investigator Platform Presentation Awardee (Moderator: Sherleen Adamson, OVSOT Vice President)
9:15 - 10:15 am	<b>Doctoral Platform Presentations/Judging</b> – CTR 101/102 (Moderator: Priyanka Baloni, OVSOT Treasurer)
10:15 - 10:25 am	<b>SOT Mentoring Opportunities</b> – CTR 101/102 Johnny Wise, PhD, University of Toledo
10:30 - 12:00 pm	<b>Poster Presentations/Judging</b> – CTR Lobby <b>(Odd #:</b> 10:30am - 11:15am; <b>Even #:</b> 11:15am - 12:00pm) (Moderators: Andrew Keebaugh, Thivanka Muthumalage, Ashley Mudd, Karen Elsass)
12:00 - 1:30 pm	<b>Lunch &amp; “Lunch with an Expert”</b> <b>(Academia:</b> Rm 101/102; <b>Industry:</b> Rm 123; <b>Government:</b> Rm 125) (Moderators: Megan Ballinger, Samuel Cochran, Samuel Vielee)
1:30 - 2:30 pm	<b>Postdoctoral Trainee Platform Presentations/Judging</b> – CTR 101/102 (Moderator: Andrew Keebaugh, OVSOT Vice President-Elect)
2:30 – 3:15 pm	<b>Big Picture Science</b> (Moderators: Ashley Mudd and Karen Elsass)
3:15 – 3:30 pm	<b>Break</b>
3:30 – 4:30 pm	<b>Keynote Speaker</b> Patricia Silveyra, PhD, Anthony D. Pantaleoni Eminent Scholar Professor and Chair, Dept. of Occupational and Environmental Health Indiana University School of Public Health-Bloomington (Moderator: Sandra Diven)
4:30 – 4:45 pm	<b>Announcement of Awards and Closing</b> (Presenters: Sandra Diven, Sherleen Adamson, Andrew Keebaugh)



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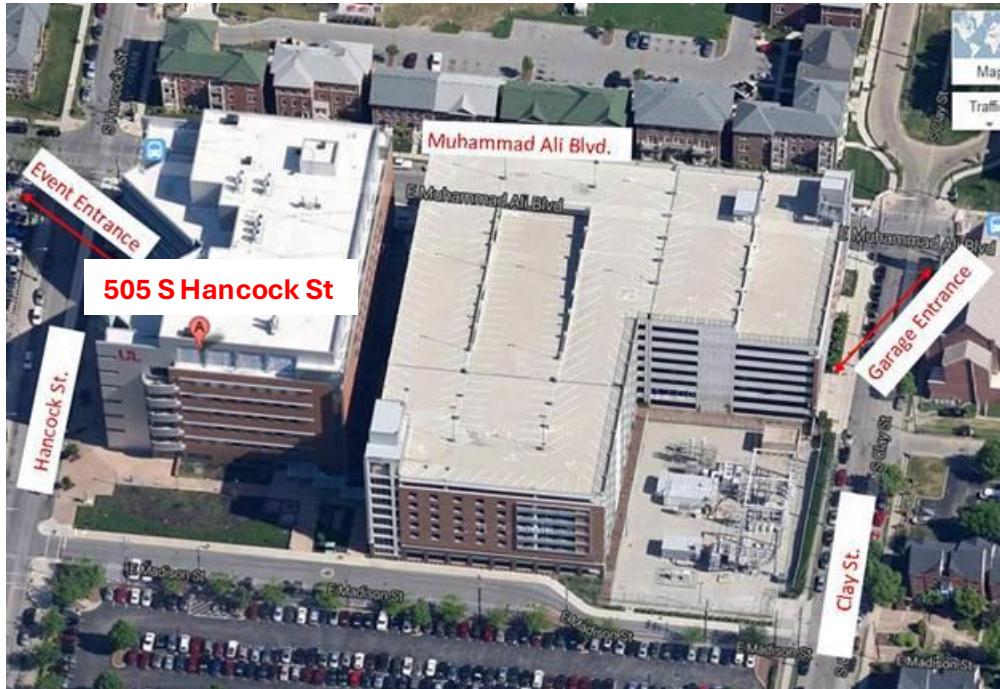


## VISITOR INFORMATION

University of Louisville  
Health Sciences Campus  
Clinical & Translational  
Research Building  
Room 101 - 102  
**505 S Hancock St,**  
**Louisville, KY 40202**



## Parking

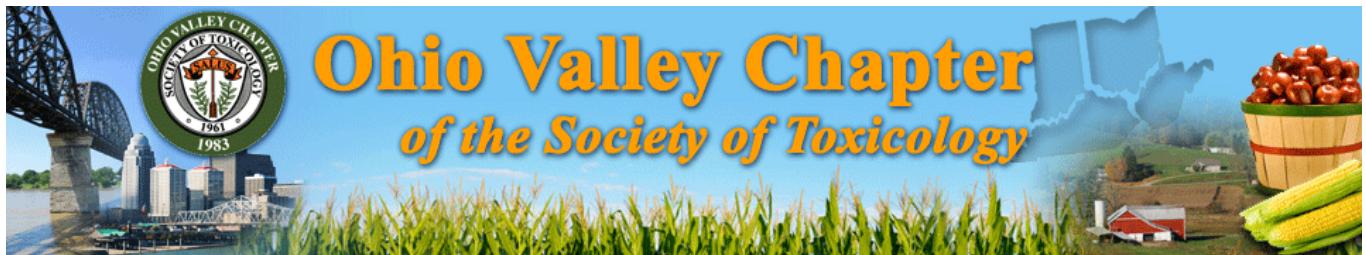


Besides on-street metered parking available on both **Hancock Street** and **Muhammad Ali Boulevard**, there is public parking available within the **620 Parking Garage**, which is located directly behind KCCTR and can be accessed from **Clay Street** at the public lot entrance (Clay Street runs parallel to Hancock Street between Muhammad Ali and Chestnut Street). **Please park on the bottom level only (Level 1).** **Please note: The student/employee permit parking entrance off Muhammad Ali Boulevard is for permit holders only.**



# Ohio Valley Chapter

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## Area Hotels

**Home2 Suites by Hilton Louisville Downtown NuLu**  
240 South Hancock Street, Louisville, Kentucky, 40202  
(502) 561-0460

**Tempo by Hilton Louisville Downtown NuLu**  
710 E Jefferson St, Louisville, KY 40202  
(502) 901-9355

**Hotel Genevieve**  
730 E Market St, Louisville, KY 40202  
(502) 676-7199

**Stellar Suites**  
822 E Market St, Louisville, KY 40206  
(502) 706-4193



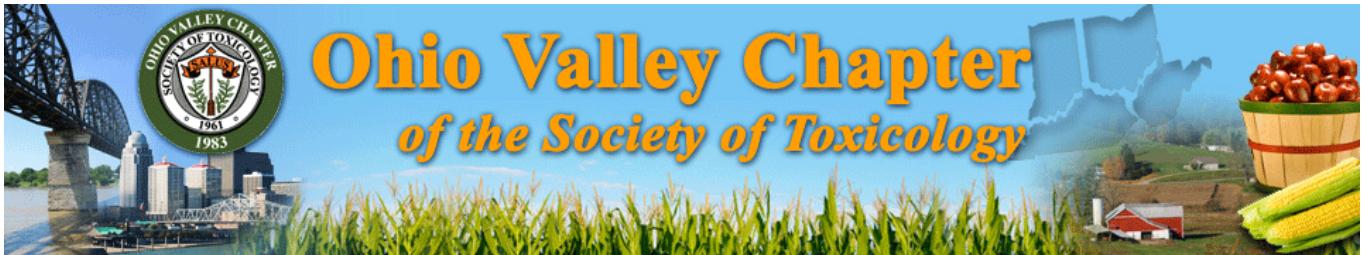
# Ohio Valley Chapter

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## PRESENTERS

Please see the 2025 OVSOT Meeting Abstract Book for abstracts of all posters and the presentations outlined on the following pages.



# Ohio Valley Chapter *of the Society of Toxicology*

## Early-Stage Investigator Platform Presentation

### Featured Speaker

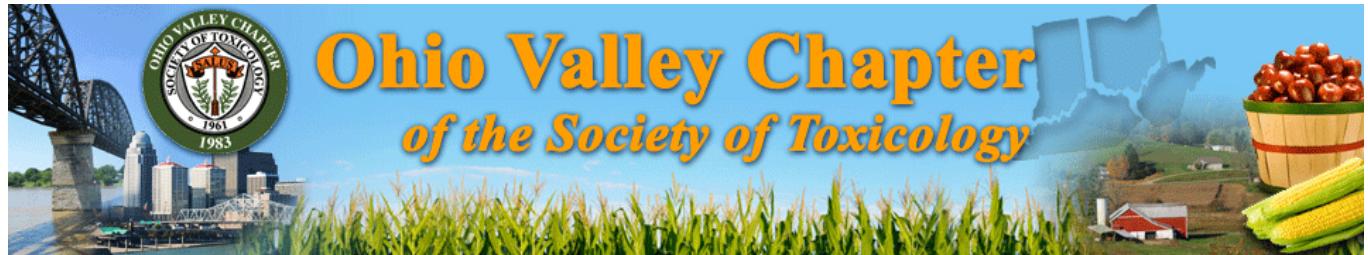
**Idoia Meaza Isusi, PhD**

Environmental and Genetic  
Toxicology,  
Department of Pharmacology  
and Toxicology,  
School of Medicine,  
University of Louisville,



### Abstract #1

**“Mechanisms of hexavalent chromium-induced carcinogenesis: DNA double-strand breaks and DNA repair inhibition in a guinea pig model”**



## Doctoral Student Platform Presentations

Abstract #2

**Evangeline Schott**

Ohio State University

“Lipocalin 2 Production Mitigates Ozone Induced Lung Injury and Inflammation”

Abstract #3

**Oluwanifemi Esther Bolatimi**

University of Louisville

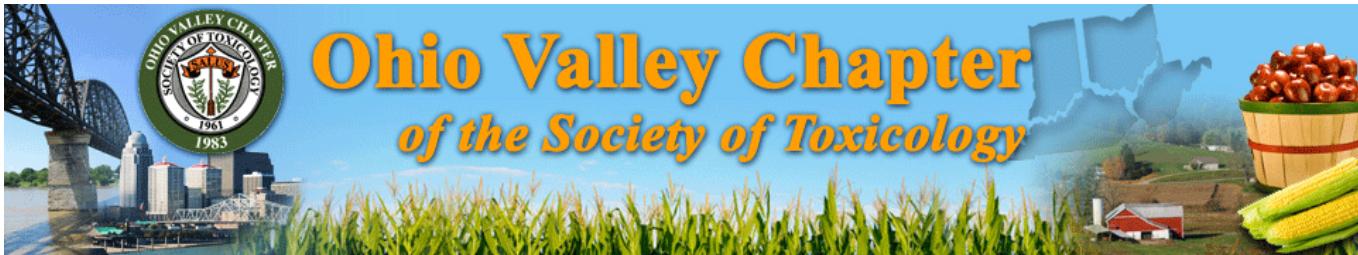
“Sex-Specific Hepatic Effects of and Environmentally Relevant Dioxin Mixture in a Humanized AHR Mouse Model”

Abstract #4

**Wagner Tamagno**

Purdue University

“Lipid-Mediated Transgenerational Effects of Developmental Pb Exposure on Cognitive Impairments and Anxiety-Like Behavior in Zebrafish Larvae”



# Ohio Valley Chapter *of the Society of Toxicology*

## Postdoctoral Trainees Platform Presentations

### Abstract #5

**Abigail Ekuban**

University of Louisville

“Sex-Dependent Hepatotoxicity of Trichloroethylene in Humanized PPAR $\alpha$  Mice Fed a Western Diet”

### Abstract #6

**Ahmed Abdelbaset-Ismail**

University of Louisville

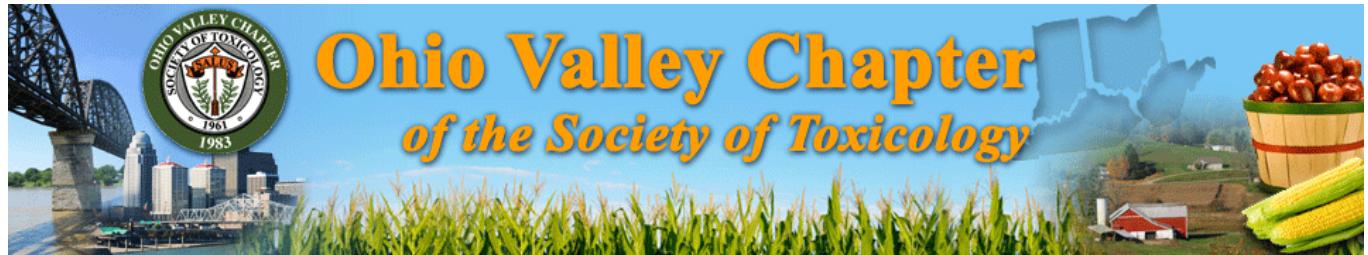
“FGF1 $^{\Delta HBS}$  prevents DICT in tumor-bearing young mice through inhibiting cardiac fatty acid oxidation and improving vasculature integrity”

### Abstract #7

**Samuel J. Cochran**

Ohio State University

“CD163 Mediated Resolution of Ozone-Induced Pulmonary Injury and Inflammation”



## Big Picture Science Presentations

Abstract #18

**Samuel Vielee**

University of Louisville

“Pathways of Cr(VI) Toxicity Change with Concentration in a *Caenorhabditis Elegans* Model: The Importance of Exposure Parameters in Toxicological Models”

Abstract #19

**Sydney Dressel**

University of Toledo

“Oxidative Stress and Apoptosis Induced by MDMA and Synthetic Cathinones in HepG2 Cells”

Abstract #20

**Zianne Olverson**

Ohio State University

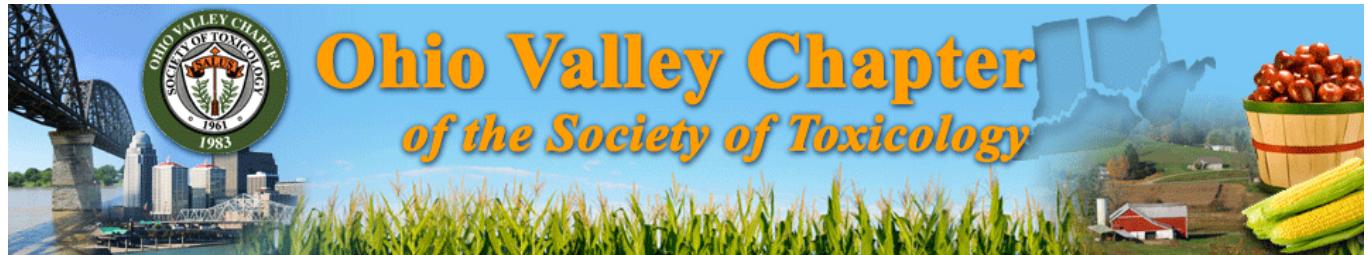
“Electronic Cigarette Exposure During Pregnancy Causes Uteroplacental and Fetal Impairments”

Abstract #40

**Hamza Jamal**

University of Louisville

“Low Concentration Hexavalent Chromium Induced Neuroinflammation in Rats after a 90 Day Drinking Water Exposure”



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## Big Picture Science Presentations

Abstract #56

**Aadil Umerani**

Wright State University

“Functional Inhibitors of Acid Sphingomyelinase Reduce UVB-Induced Erythema in Rosacea via Topical Imipramine and Amitriptyline: A Pilot Clinical Trial”

Abstract #57

**Andrea Arroyo**

University of Louisville

“The RAD50 Zinc Hook Motif as a Vulnerable Target in Heavy Metal-Induced Genotoxicity”

Abstract #58

**Kassidy Stewart**

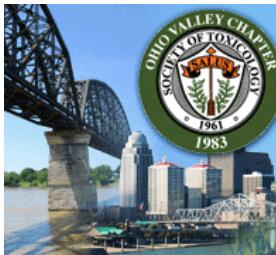
University of Louisville, “Sex- and Diet-Specific Effects of a Low-Dose Dioxin Mixture on Adipose-Liver Axis Disruption”

Abstract #59

**Liam Buchanan**

University of Louisville

“Hexavalent Chromium [Cr(VI)] Induces Blood-Brain Barrier Dysfunction and DNA Damage in Endothelial Cells: Using a Toxic Aging Coin to Assess Cr(VI) Neurotoxicity”



# Ohio Valley Chapter *of the Society of Toxicology*



## Keynote Presentation

### Keynote Speaker

**Patricia Silveyra, PhD, MSc,  
ATSF**

Anthony D. Pantaleoni  
Eminent Scholar

Professor and Chair  
Department of Occupational and  
Environmental Health

Adjunct Professor  
Indiana University School of Public  
Health-Bloomington



### **Biography**

Patricia Silveyra, PhD, MSc, ATSF, is Professor and Chair of the Department of Environmental and Occupational Health and the Anthony D. Pantaleoni Eminent Scholar at the Indiana University School of Public Health–Bloomington, and an adjunct professor in the IU School of Medicine. Her research focuses on how sex and gonadal hormones influence lung inflammation and responses to environmental exposures such as air pollution and vaping. She has led NIH-, foundation-, and university-funded projects and is deeply committed to mentoring the next generation of scientists.



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